IOS and DMS subsystem requirements changes based on RTM VERSION012696
CCR 96-0106 to correct problems identified in NASA's Requirement Spec (DID 304) Rejection

Changes since original submission:
1) added word "fault" to S-DMS-20820
2) added mapping between S-DMS-20835 and IMS-1620#B
3) deleted links between S-IOS-00516 and IMS-1620#A, IMS-1660#A
4) changed S-IOS-00517 from Rel B to Rel A
5) added word "status" to S-DMS-31061

Table 1 - Reference table for review of L4 changes and L4 to RbR link changes

L4 ID	**RTM Key**	**Rel**	**L4 Text**	Clarification	**Req Type**	**RbR ID**	**RTM key**	**RbR Text**	**RbR Type**	Interpretation
S-DMS-00565		B	The LIMGR CI shall be available 24 hours a day, 7 days a week within the constraints of the RMA requirements.		functional	IMS-0010#B	4917	The IMS shall be capable of providing 24 hour per day, 7 day per week access to the ECS services.	functional	
S-DMS-20695		B	The DDICT CI shall be available 24 hours a day, 7 days a week within the constraints of the RMA requirements.		functional	IMS-0010#B	4917	The IMS shall be capable of providing 24 hour per day, 7 day per week access to the ECS services.	functional	
S-DMS-10345		B	The DIMGR CI shall be available 24 hours a day, 7 days a week within the constraints of the RMA requirements.		functional	IMS-0010#B	4917	The IMS shall be capable of providing 24 hour per day, 7 day per week access to the ECS services.	functional	
S-DMS-30100		A	The GTWAY CI shall be available 24 hours a day, 7 days a week within the constraints of the RMA requirements.		functional	IMS-0010#A	new	The IMS shall be capable of providing 24 hour per day, 7 day per week access to the ECS services.	functional	
S-DMS-30100						IMS-0010#B	4917	The IMS shall be capable of providing 24 hour per day, 7 day per week access to the ECS services.	functional	
S-IOS-00480		A	The ADSRV CI shall be available 24 hours a day, 7 days a week within the constraints of the RMA requirements.		functional	IMS-0010#A	new	The IMS shall be capable of providing 24 hour per day, 7 day per week access to the ECS services.	functional	
S-IOS-00480						IMS-0010#B	4917	The IMS shall be capable of providing 24 hour per day, 7 day per week access to the ECS services.	functional	

S-DMS-20920	3087	~~C~~ B	The DDICT CI shall provide the capability to relate Phenomenological Search Criteria to Search Criteria containing values for searchable attributes supported in the Data Server Schema.		functional	IMS-0510#B	5130	The IMS shall provide tools for research planning and data search, to include at a minimum: a. Data acquisition schedules and plans b. The capability to map specified geophysical parameters to the appropriate instrument and/or Standard Product c. Descriptive information on instruments and geophysical parameters available in Standard Products d. Climatology information f. Geographic reference aids g. Spacecraft location projections.	interface	
S-DMS-20006		B	The DDICT CI shall store a mapping of geophysical parameters to the appropriate instruments and collections.		functional	IMS-0510#B	5130	The IMS shall provide tools for research planning and data search, to include at a minimum: a. Data acquisition schedules and plans b. The capability to map specified geophysical parameters to the appropriate instrument and/or Standard Product c. Descriptive information on instruments and geophysical parameters available in Standard Products d. Climatology information f. Geographic reference aids g. Spacecraft location projections.	interface	

S-DMS-20007		B	The DDICT CI shall provide the capability to search a mapping of geophysical parameters to the appropriate instruments and collections.		functional	IMS-0510#B	5130	The IMS shall provide tools for research planning and data search, to include at a minimum: a. Data acquisition schedules and plans b. The capability to map specified geophysical parameters to the appropriate instrument and/or Standard Product c. Descriptive information on instruments and geophysical parameters available in Standard Products d. Climatology information f. Geographic reference aids g. Spacecraft location projections.	interface	
S-DMS-20008		B	The DDICT CI shall store descriptive information about keywords associated with a collection, including at a minimum instruments and geophysical parameters.		functional	IMS-0510#B	5130	The IMS shall provide tools for research planning and data search, to include at a minimum: a. Data acquisition schedules and plans b. The capability to map specified geophysical parameters to the appropriate instrument and/or Standard Product c. Descriptive information on instruments and geophysical parameters available in Standard Products d. Climatology information f. Geographic reference aids g. Spacecraft location projections.	interface	

S-DMS-20009		B	The DDICT CI shall provide the capability to search descriptive information about keywords associated with a collection, including at a minimum instruments and geophysical parameters.		functional	IMS-0510#B	5130	The IMS shall provide tools for research planning and data search, to include at a minimum: a. Data acquisition schedules and plans b. The capability to map specified geophysical parameters to the appropriate instrument and/or Standard Product c. Descriptive information on instruments and geophysical parameters available in Standard Products d. Climatology information f. Geographic reference aids g. Spacecraft location projections.	interface	
S-DMS-00010	8334	B	The LIMGR CI shall provide capabilities to search and obtain data by science discipline.		functional	~~IMS-0550#B~~	5142	The IMS shall allow a user to locate and identify desired data without detailed knowledge of the ECSs: a. Architecture b. Data Base management system c. Data Base structure d. Query languages e. Data formats	functional	B: LIM/DIM capability
S-IOS-00010	2795	A	The ADSRV CI shall provide the capability for viewing Advertisements.		functional	~~IMS-0550#B~~	5142	The IMS shall allow a user to locate and identify desired data without detailed knowledge of the ECSs: a. Architecture b. Data Base management system c. Data Base structure d. Query languages e. Data formats	functional	
S-IOS-00010						~~IMS-0550#A~~	5512	The IMS shall allow a user to locate and identify desired data without detailed knowledge of the ECSs: a. Architecture b. Data Base management system c. Data Base structure d. Query languages e. Data formats	functional	

S-IOS-00070	2800	A	The ADSRV CI shall provide capability for displaying Advertisements for data and services provided by non-ECS systems with which ECS is interoperable.		functional	~~IMS-0550#A~~	5512	The IMS shall allow a user to locate and identify desired data without detailed knowledge of the ECSs: a. Architecture b. Data Base management system c. Data Base structure d. Query languages e. Data formats	functional	A: LIM capability
S-IOS-00070						~~IMS-0550#B~~	5142	The IMS shall allow a user to locate and identify desired data without detailed knowledge of the ECSs: a. Architecture b. Data Base management system c. Data Base structure d. Query languages e. Data formats		
S-IOS-00080	2801	A	The ADSRV CI shall provide a capability to access Advertisements for ECS and non-ECS data and services.		functional	~~IMS-0550#B~~	5142	The IMS shall allow a user to locate and identify desired data without detailed knowledge of the ECSs: a. Architecture b. Data Base management system c. Data Base structure d. Query languages e. Data formats	functional	B: LIM/DIM capability
S-IOS-00080						~~IMS-0550#A~~	5512	The IMS shall allow a user to locate and identify desired data without detailed knowledge of the ECSs: a. Architecture b. Data Base management system c. Data Base structure d. Query languages e. Data formats	functional	
S-DMS-20010		B	The DDICT CI shall store a conceptual schema of the data held in the SDSRV, LIMGR, and DIMGR to hide the underlying database structure from the end user.		functional	IMS-0550#B	5142	The IMS shall allow a user to locate and identify desired data without detailed knowledge of the ECSs: a. Architecture b. Data Base management system c. Data Base structure d. Query languages e. Data formats	functional	B: LIM/DIM capability
S-DMS-10765		B	The DIMGR CI shall accept searches in the Earth Science Query Language.		functional	IMS-0630#B	5184	The IMS shall provide the capability to select metadata for retrieval by: a. Boolean operators b. Relational operators c. Attribute values d. Search strings e. Combinations thereof	functional	

S-DMS-10765						IMS-0650#B	5188	The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Logical and Boolean operators g. Min/max range search h. Any combination of the above	functional	
S-DMS-10770		B	The Earth Science Query Language shall support the specification of search conditions using search expressions in combination with boolean and relational operators.		functional	IMS-0630#B	5184	The IMS shall provide the capability to select metadata for retrieval by: a. Boolean operators b. Relational operators c. Attribute values d. Search strings e. Combinations thereof	functional	
S-DMS-10771		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and exact word matches for string attributes associated with non-geographic metadata.		functional	IMS-0650#B	5188	The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Logical and Boolean operators g. Min/max range search h. Any combination of the above	functional	
S-DMS-10771						IMS-0630#B	5184	The IMS shall provide the capability to select metadata for retrieval by: a. Boolean operators b. Relational operators c. Attribute values d. Search strings e. Combinations thereof	functional	

S-DMS-10772		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and phrase matches for string attributes associated with non-geographic metadata.		functional	IMS-0650#B	5188	The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Logical and Boolean operators g. Min/max range search h. Any combination of the above	functional	
S-DMS-10773		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and character sets for string attributes associated with non-geographic metadata.		functional	IMS-0650#B	5188	The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Logical and Boolean operators g. Min/max range search h. Any combination of the above	functional	
S-DMS-10774		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and wildcard constructs for string attributes associated with non-geographic metadata.		functional	IMS-0650#B	5188	The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Logical and Boolean operators g. Min/max range search h. Any combination of the above	functional	

S-DMS-10775		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and character ranges for string attributes associated with non-geographic metadata.		functional	IMS-0650#B	5188	The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Logical and Boolean operators g. Min/max range search h. Any combination of the above	functional	
S-DMS-10776		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and minimum and maximum range for numeric and date/time attributes associated with non-geographic metadata.		functional	IMS-0650#B	5188	The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Logical and Boolean operators g. Min/max range search h. Any combination of the above	functional	
S-DMS-00020	8335	B	The LIMGR CI shall accept Search Requests ~~in the format defined in Appendix K of the current version of 304-CD-005.~~ in a format compatible with the Earth Science Query Language.		functional	IMS-0630#B	5184	The IMS shall provide the capability to select metadata for retrieval by: a. Boolean operators b. Relational operators c. Attribute values d. Search strings e. Combinations thereof	functional	
S-DMS-00020						IMS-0650#B	5188	The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Logical and Boolean operators g. Min/max range search h. Any combination of the above	functional	

S-DMS-20130	8517	B	The DDICT CI shall have the capability to accept from the Workbench CI data dictionary search requests consisting of any combination of the following: Earth Science Data Types, Core Metadata attribute, and Product Specific Metadata in a format compatible with the Earth Science Query Language.		functional	IMS-0630#B	5184	The IMS shall provide the capability to select metadata for retrieval by: a. Boolean operators b. Relational operators c. Attribute values d. Search strings e. Combinations thereof	functional	
S-DMS-20130						IMS-0650#B	5188	The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Logical and Boolean operators g. Min/max range search h. Any combination of the above	functional	
S-IOS-00690	9128	B	The ADSRV CI shall accept Search Requests ~~as specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005~~ in a format compatible with the Earth Science Query Language.		functional	IMS-0630#B	5184	The IMS shall provide the capability to select metadata for retrieval by: a. Boolean operators b. Relational operators c. Attribute values d. Search strings e. Combinations thereof	interface	
S-IOS-00690						IMS-0650#B	5188	The IMS shall query non-geographic metadata by any of the following criteria at a minimum: a. Exact word match b. Phrase match c. Character set (string) d. Wildcard construct (prefix, embedded, suffix) e. Character range f. Logical and Boolean operators g. Min/max range search h. Any combination of the above	interface	

S-DMS-30760	8617	B	~~Partial Results shall consist of Search Results accumulated to the time of the request for partial results, or Search Results accumulated since the last request for partial results~~ The GTWAY CI shall provide partial results upon request which consists of the results from the start of the request or since the last request for results.		functional					
S-DMS-10760	8485	B	~~Partial Results shall consist of Search Results accumulated to the time of the request for partial results, or Search Results accumulated since the last Request for partial results~~ The DIMGR CI shall provide partial results upon request which consists of the results from the start of the request or since the last request for results.		functional					
S-DMS-00740	8485	B	~~Partial Results shall consist of Search Results accumulated to the time of the request for partial results, or Search Results accumulated since the last Request for partial results~~ The LIMGR CI shall provide partial results upon request which consists of the results from the start of the request or since the last request for results.		functional					
S-DMS-00710	8387	B	The LIMGR CI shall ~~collect~~ report Accountability Management Data (requests such as searches, browse requests, orders) ~~and provide~~ it to the MSS.		interface					
S-DMS-10560	8468	B	The DIMGR CI shall ~~collect~~ report Accountability Management Data (requests such as searches, browse requests, orders) ~~and provide~~ it to the MSS.		interface					

S-DMS-20840	8569	B	The DDICT CI shall ~~collect~~ report Accountability Management Data (requests such as searches, browse requests, orders) ~~and provide it~~ to the MSS.		interface					
S-DMS-31050		B	The GTWAY CI shall report Accountability Management Data (requests such as searches, browse requests, orders) to the MSS.		functional	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-DMS-00520		B	The LIMGR CI shall send detected hardware and software fault information to MSS.		functional	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-DMS-00520						IMS-1760#B	5389	The IMS shall send detected hardware faults to the SMC, to include at a minimum: a. IMS processors b. IMS network interfaces c. Storage devices	functional	
S-DMS-10530	8463	B	The DIMGR CI shall send detected hardware and software fault information to MSS ~~collect the management data used to support fault recovery management~~.		functional	IMS-1760#B	5389	The IMS shall send detected hardware faults to the SMC, to include at a minimum: a. IMS processors b. IMS network interfaces c. Storage devices	functional	
S-DMS-20820	8567	B	The DDICT CI shall ~~collect Fault Management Data and provide it to the MSS~~ provide detected hardware and software fault information to MSS.		interface	IMS-1760#B	5389	The IMS shall send detected hardware faults to the SMC, to include at a minimum: a. IMS processors b. IMS network interfaces c. Storage devices	functional	

S-DMS-31051		B	The GTWAY CI shall send detected hardware and software fault information to MSS.		functional	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-DMS-31051						IMS-1760#B	5389	The IMS shall send detected hardware faults to the SMC, to include at a minimum: a. IMS processors b. IMS network interfaces c. Storage devices	functional	
S-DMS-00690	8383	B	The LIMGR CI shall ~~collect the management data used to support configuration management~~ .provide configuration management data such as software versions to MSS through the use of managed process framework.		functional					
S-DMS-10540	8464	B	The DIMGR CI ~~shall collect the management data used to support configuration management~~ shall provide configuration management data such as software versions to MSS through managed process framework.		functional					
S-DMS-20830	8568	B	The DDICT CI shall ~~collect Configuration Management Data and provide it to the MSS~~ provide configuration management data such as software versions to the MSS using the managed process framework.		interface					

S-DMS-31052		B	The GTWAY CI shall provide configuration management data such as software versions to MSS using managed process framework.		functional	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-DMS-00700	8384	B	The LIMGR CI shall ~~collect Accounting Management Data used to support accounting~~ support the MSS in collecting Accounting Management Data by supplying resource utilization data.		functional	IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-10550	8465	B	The DIMGR CI shall ~~collect Accounting Management Data used to support accounting~~ support the MSS in collecting Accounting Management Data by supplying resource utilization data.		functional	IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-20835		B	The DDICT CI shall support the MSS in collecting Accounting Management Data by supplying resource utilization data.		functional	IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	

						IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-DMS-31056		B	The GTWAY CI shall support the MSS in collecting Accounting Management Data by supplying resource utilization data.		functional	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-DMS-31056						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-00720	8388	B	The LIMGR CI shall collect Performance Management Data using the MSS managed object components and provide it to the MSS at configurable intervals and on demand.		interface					
S-DMS-10570	8469	B	The DIMGR CI shall collect Performance Management Data using the MSS managed object components and provide it to the MSS at configurable intervals and on demand.		interface					

S-DMS-20850	8570	B	The DDICT CI shall collect Performance Management Data using the MSS managed object components and provide it to the MSS at configurable intervals and on demand.		interface					
S-DMS-31053		B	The GTWAY CI shall collect Performance Management Data using the MSS managed object components and provide it to the MSS at configurable intervals and on demand.		interface	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-DMS-00530	8368	B	The LIMGR CI shall ~~collect the management data used to support security management.~~ collect Security Management Data (such as rejected access to a service) and provide it to the MSS.		functional					
S-DMS-10580	8470	B	The DIMGR CI shall collect Security Management Data (such as rejected access to a service) and provide it to the MSS.		interface					

S-DMS-20660	8552	B	The DDICT CI shall ~~collect the management data used to support security management.~~ collect Security Management Data (such as rejected access to a service) and provide it to the MSS.		functional	~~IMS-0320#B~~	5063	Standard Product related metadata shall contain, at a minimum: a. Keywords and glossary from investigators b. Keywords, synonyms, and glossary for cross-product and cross-directory referencing c. Identifiers for locating products in the DADS archive by granule d. Documentation on algorithms, including version history, authors, written description of product, equations, and references e. Documentation on instrument(s) and spacecraft(s) including history of housekeeping and ancillary parameters, discipline characterization, calibration parameters, key individuals, and references f. Identifiers, algorithms, written descriptions, equations, authors, and references associated with static browse products and subsetted, subsampled, and summary data products g. Published papers, research results, significant results, and references by author and date h. Key organizations and personnel for all product-related DAACs, ADCs, and ODCs i. Granule-specific information as listed in Tables C-10 and C-11 in Appendix C	functional	
S-DMS-31054		B	The GTWAY CI shall collect Security Management Data (such as rejected access to a service) and provide it to the MSS.		interface	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	

S-DMS-00730	8389	B	The LIMGR CI shall ~~collect Scheduling Management Data and provide it to the MSS~~ provide configuration information such as number of expected daily sessions, which will be used by MSS to compare plans to actuals (i.e. schedule management).		interface					
S-DMS-10590	8471	B	The DIMGR CI shall ~~collect Scheduling Management Data used to support scheduling management and provide it to the MSS~~ provide configuration information such as number of expected daily sessions, which will be used by MSS to compare plans to actuals (i.e. schedule management).		interface					
S-DMS-20860	8571	B	The DDICT CI shall ~~collect Scheduling Management Data and provide it to the MSS~~ provide configuration information such as number of expected daily sessions, which will be used by MSS to compare plans to actuals (i.e. schedule management).		interface					
S-DMS-31057		B	The GTWAY CI shall provide configuration information such as number of expected daily sessions, which will be used by MSS to compare plans to actuals (i.e. schedule management).		interface	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-IOS-00490	9218	A	~~The ADSRV CI shall collect software Fault Management Data about its own operations and provide it to the MSS.~~ The ADSRV CI shall send detected hardware and software fault information to MSS.		interface	IMS-1760#B	5389	The IMS shall send detected hardware faults to the SMC, to include at a minimum: a. IMS processors b. IMS network interfaces c. Storage devices	functional	

S-IOS-00510	9219	A	The ADSRV CI shall ~~collect~~ report Accountability Management Data (such as searches, advertisement submissions, etc.) ~~about its own operations and provide it~~ to the MSS.		interface					
S-IOS-00515		A	The ADSRV CI shall collect Performance Management Data using the MSS managed object components and provide it to the MSS at configurable intervals and on demand.		interface	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-IOS-00515						IMS-1620#A	5563	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management.		
S-IOS-00516		B	The ADSRV CI shall support the MSS in collecting Accounting Management Data by supplying resource utilization data.		interface	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-IOS-00516						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	

S-IOS-00517		A	The ADSRV CI shall provide configuration information such as expected moderation approval time, which will be used by MSS to compare plans to actuals (i.e. schedule management).		interface	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-IOS-00517						IMS-1620#A	5563	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management.		
S-IOS-00518		A	The ADSRV CI shall provide configuration management data such as software versions to MSS using managed process framework.		functional	IMS-1620#B	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-IOS-00518						IMS-1620#A	5563	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management.		

S-IOS-00940	9028	B	The ADSRV CI shall provide its current mode to MSS on request.		~~functional~~ interface	~~IMS-1620#B~~	5375	The IMS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management	functional	
S-IOS-00940						IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-IOS-00950	9029	B	The ADSRV CI shall provide a capability for logistics and maintenance status to be provided to the SMC.		~~functional~~ interface					
S-DMS-31058		B	The GTWAY CI shall provide integration, testing, and simulation status to the MSS.		interface	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-31059		B	The GTWAY CI shall provide maintenance status to the MSS.		interface	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-31062		B	The GTWAY CI shall provide logistics status to the SMC.		interface	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	

S-DMS-31061		B	The GTWAY CI shall provide training information status to the SMC.		interface	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-01010	8406	B	The LIMGR CI shall log to MSS all Service requests received initiated during a session.		functional					
S-DMS-01015		B	The LIMGR CI shall log the successful completion of each service request to MSS.		interface	IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-00912		B	The LIMGR CI shall log the startup of the LIMGR servers to MSS		interface	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-00913		B	The LIMGR CI shall log the shutdown of the LIMGR servers to MSS.		functional	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-01011		B	The LIMGR CI shall log to MSS when a service request is activated from the queue.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	

S-DMS-01011						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-01012		B	The LIMGR CI shall log to MSS when a service request has been successfully decomposed into its component requests.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-01012						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-01012		B	The LIMGR CI shall log to MSS when an external connection (i.e. to GTWAY or SDSRV) has been established.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-01012						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	

S-DMS-01013		B	The LIMGR CI shall log to MSS when the component service request has been submitted to the external entity (e.g. GTWAY, SDSRV).		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-01013						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-01014		B	The LIMGR CI shall log to MSS when the request to the external entity (e.g. GTWAY, SDSRV) has been successfully returned.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-01014						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-01015		B	The LIMGR CI shall log to MSS when the results of the external requests have been integrated and status is about to be sent to the client program.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	

S-DMS-01015						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-11010	8500	B	The DIMGR CI shall log to MSS all Service requests received initiated during a session.		functional					
S-DMS-11011		B	The DIMGR CI shall log the successful completion of each service request to MSS.		interface	IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-10595		B	The DIMGR CI shall log the startup of the DIMGR servers to MSS		interface	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-10596		B	The DIMGR CI shall log the shutdown of the DIMGR servers to MSS.		functional	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-11012		B	The DIMGR CI shall log to MSS when a service request is activated from the queue.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	

S-DMS-11012						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-11013		B	The DIMGR CI shall log to MSS when a service request has been successfully decomposed into its component requests.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-11013						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-11014		B	The DIMGR CI shall log to MSS when an external connection (i.e. to LIMGR, GTWAY or SDSRV) has been established.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-11014						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	

S-DMS-11015		B	The DIMGR CI shall log to MSS when the component service request has been submitted to the external entity (e.g. LIMGR, GTWAY, SDSRV).		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-11015						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-11016		B	The DIMGR CI shall log to MSS when the request to the external entity (e.g. LIMGR, GTWAY, SDSRV) has been successfully returned.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-11016						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-11017		B	The DIMGR CI shall log to MSS when the results of the external requests have been integrated and status is about to be sent to the client program.		interface	IMS-1650#B	5380	IMS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-31010	3167	A	The GTWAY CI shall log to MSS the initiation of all Service requests.		functional					

S-DMS-31011		B	The GTWAY CI shall log the startup of the GTWAY servers to MSS		interface	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-31012		B	The GTWAY CI shall log the shutdown of the GTWAY servers to MSS.		functional	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-31013		B	The GTWAY CI shall log to MSS when a service request is activated from the queue.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-31013						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-31014		B	The GTWAY CI shall log to MSS when a service request has been successfully decomposed into its component requests.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	

S-DMS-31014						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-31015		B	The GTWAY CI shall log to MSS when an external connection to the V0 IMS server has been established.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-31015						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-31016		B	The GTWAY CI shall log to MSS when the component service request has been submitted to the V0 IMS server.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-31016						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	

S-DMS-31017		B	The GTWAY CI shall log to MSS when the request to the V0 IMS server has been successfully returned.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-31017						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-31018		B	The GTWAY CI shall log to MSS when the results of the request has been integrated and status is about to be sent to the client program.		interface	IMS-1650#B	5380	IMS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-20865		B	The DDICT CI shall log to MSS the initiation of all Service requests.		functional	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-20865						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	

S-DMS-20866		B	The DDICT CI shall log the startup of the DDICT servers to MSS		interface	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-20867		B	The DDICT CI shall log the shutdown of the DDICT servers to MSS.		functional	IMS-1640#B	5377	The IMS shall provide to the SMC, status to include at a minimum: a. Integration, testing, and simulation status b. Maintenance status c. Logistics status d. Training information	interface	
S-DMS-20868		B	The DDICT CI shall log to MSS when a service request is activated from the queue.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	
S-DMS-20868						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-20869		B	The DDICT CI shall log to MSS when a request has been successfully completed and the status is about to be returned to the client.		interface	IMS-1650#B	5380	MS operations data shall contain information on: a. System utilization at the IMS b. Outstanding data distribution requests c. Outstanding processing requests d. Outstanding data acquisition requests	functional	

S-DMS-20869						IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-20870		B	The DDICT CI shall log to MSS the initiation of a session.		functional	IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-20871		B	The DDICT CI shall log to MSS the suspension of a session.		functional	IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-20872		B	The DDICT CI shall log to MSS the resumption of a previously suspended session.		functional	IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	
S-DMS-20873		B	The DDICT CI shall log to MSS the termination of a session.		functional	IMS-1660#B	5381	The IMS shall provide to the SMC a full and complete history of all IMS resources used by science investigators including, at a minimum: a. CPU utilization b. Amount of user storage c. Connect time d. Session histories	interface	

S-DMS-20795		B	The DDICT CI shall support operations staff in the creation of utilization reports, and the operations staff shall distribute them on a periodic basis to a predefined list of report recipients.		procedural	IMS-1680#B	5383	The IMS status monitoring function shall provide the capability to distribute reports on a periodic basis to a predefined list of report recipients.	functional	
S-DMS-20796		B	The DDICT CI shall provide operations staff with the capability to distribute DDICT CI utilization reports eletronically or in hard copy or on electronic media.		functional	IMS-1690#B	5397	The IMS status monitoring function shall provide the capability to disseminate reports on-line electronically and off-line on either paper or electronic media.	functional	
S-DMS-32000		B	The GTWAY CI shall support operations staff in the creation of utilization reports, and the operations staff shall distribute them on a periodic basis to a predefined list of report recipients.		procedural	IMS-1680#B	5383	The IMS status monitoring function shall provide the capability to distribute reports on a periodic basis to a predefined list of report recipients.	functional	
S-DMS-32001		B	The GTWAY CI shall provide operations staff with the capability to distribute GTWAY CI utilization reports eletronically or in hard copy or on electronic media.		functional	IMS-1690#B	5397	The IMS status monitoring function shall provide the capability to disseminate reports on-line electronically and off-line on either paper or electronic media.	functional	
S-DMS-00605		B	The LIMGR CI shall provide operations staff with the capability to generate daily LIMGR operations summary reports.		functional	IMS-1700#B	5384	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	
S-DMS-00606		B	The LIMGR CI shall provide operations staff with the capability to generate LIMGR performance summary reports.		functional	IMS-1700#B	5384	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	

S-DMS-10385		B	The DIMGR CI shall provide operations staff with the capability to generate daily DIMGR operations summary reports.		functional	IMS-1700#B	5384	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	
S-DMS-10386		B	The DIMGR CI shall provide operations staff with the capability to generate DIMGR performance summary reports.		functional	IMS-1700#B	5384	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	
S-DMS-20355		B	The DDICT CI shall provide operations staff with the capability to generate daily DDICT operations summary reports.		functional	IMS-1700#B	5384	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	
S-DMS-20356		B	The DDICT CI shall provide operations staff with the capability to generate DDICT performance summary reports.		functional	IMS-1700#B	5384	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	

S-DMS-32010		B	The GTWAY CI shall provide operations staff with the capability to generate daily GTWAY operations summary reports.		functional	IMS-1700#B	5384	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	
S-DMS-32011		B	The GTWAY CI shall provide operations staff with the capability to generate GTWAY performance summary reports.		functional	IMS-1700#B	5384	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	
S-IOS-00520		A	The ADSRV CI shall provide operations staff with the capability to generate daily ADSRV operations summary reports.		functional	IMS-1700#B	5384	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	
S-IOS-00520						IMS-1700#A	5569	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	

S-IOS-00530		A	The ADSRV CI shall provide operations staff with the capability to generate ADSRV performance summary reports.		functional	IMS-1700#B	5384	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	
S-IOS-00530						IMS-1700#A	5569	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessment e. Daily IMS operations summaries f. IMS performance summaries	functional	
S-DMS-00115		B	The LIMGR CI shall support search requests against result sets from previous searches within the same session.		functional	IMS-0570#B	5166	The IMS shall provide an incremental search capability.	functional	
S-DMS-10115		B	The DIMGR CI shall support search requests against result sets from previous searches within the same session.		functional	IMS-0570#B	5166	The IMS shall provide an incremental search capability.	functional	
S-DMS-00610	8376	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive maintenance directives from the SMC.		~~interface~~ procedural					
S-DMS-00620	8377	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive directives for integration, testing, and simulation from the SMC.		~~interface~~ procedural					
S-DMS-00630	8378	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive configuration management directives from the SMC.		~~interface~~ procedural					
S-DMS-00640	8379	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive logistics management directives from the SMC.		~~interface~~ procedural					

S-DMS-00650	8380	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive fault management directives from the SMC.		~~interface~~ procedural					
S-DMS-00660	8381	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive security directives from the SMC.		~~interface~~ procedural					
S-DMS-00670	8382	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive training management directives from the SMC.		~~interface~~ procedural					

Table 2 - LEVEL_4 requirements changes

L4 ID	**RTM Key**	**Rel**	**L4 Text**	Clarification	**Req Type**
S-DMS-00565		B	The LIMGR CI shall be available 24 hours a day, 7 days a week within the constraints of the RMA requirements.		functional
S-DMS-20695		B	The DDICT CI shall be available 24 hours a day, 7 days a week within the constraints of the RMA requirements.		functional
S-DMS-10345		B	The DIMGR CI shall be available 24 hours a day, 7 days a week within the constraints of the RMA requirements.		functional
S-DMS-30100		A	The GTWAY CI shall be available 24 hours a day, 7 days a week within the constraints of the RMA requirements.		functional
S-IOS-00480		A	The ADSRV CI shall be available 24 hours a day, 7 days a week within the constraints of the RMA requirements.		functional
S-DMS-20920	3087	~~C~~ B	The DDICT CI shall provide the capability to relate Phenomenological Search Criteria to Search Criteria containing values for searchable attributes supported in the Data Server Schema.		functional
S-DMS-20006		B	The DDICT CI shall store a mapping of geophysical parameters to the appropriate instruments and collections.		functional
S-DMS-20007		B	The DDICT CI shall provide the capability to search a mapping of geophysical parameters to the appropriate instruments and collections.		functional
S-DMS-20008		B	The DDICT CI shall store descriptive information about keywords associated with a collection, including at a minimum instruments and geophysical parameters.		functional

S-DMS-20009		B	The DDICT CI shall provide the capability to search descriptive information about keywords associated with a collection, including at a minimum instruments and geophysical parameters.		functional
S-DMS-20010		B	The DDICT CI shall store a conceptual schema of the data held in the SDSRV, LIMGR, and DIMGR to hide the underlying database structure from the end user.		functional
S-DMS-10765		B	The DIMGR CI shall accept searches in the Earth Science Query Language.		functional
S-DMS-10770		B	The Earth Science Query Language shall support the specification of search conditions using search expressions in combination with boolean and relational operators.		functional
S-DMS-10771		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and exact word matches for string attributes associated with non-geographic metadata.		functional
S-DMS-10772		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and phrase matches for string attributes associated with non-geographic metadata.		functional
S-DMS-10773		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and character sets for string attributes associated with non-geographic metadata.		functional
S-DMS-10774		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and wildcard constructs for string attributes associated with non-geographic metadata.		functional

S-DMS-10775		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and character ranges for string attributes associated with non-geographic metadata.		functional
S-DMS-10776		B	The Earth Science Query Language shall support the specification of search expressions using the attribute names and minimum and maximum range for numeric and date/time attributes associated with non-geographic metadata.		functional
S-DMS-00020	8335	B	The LIMGR CI shall accept Search Requests ~~in the format defined in Appendix K of the current version of 304-CD-005.~~ in a format compatible with the Earth Science Query Language.		functional
S-DMS-20130	8517	B	The DDICT CI shall have the capability to accept from the Workbench CI data dictionary search requests consisting of any combination of the following: Earth Science Data Types, Core Metadata attribute, and Product Specific Metadata in a format compatible with the Earth Science Query Language.		functional
S-IOS-00690	9128	B	The ADSRV CI shall accept Search Requests ~~as specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005~~ in a format compatible with the Earth Science Query Language.		functional

S-DMS-30760	8617	B	~~Partial Results shall consist of Search Results accumulated to the time of the request for partial results, or Search Results accumulated since the last request for partial results~~ The GTWAY CI shall provide partial results upon request which consists of the results from the start of the request or since the last request for results.		functional
S-DMS-10760	8485	B	~~Partial Results shall consist of Search Results accumulated to the time of the request for partial results, or Search Results accumulated since the last Request for partial results~~ The DIMGR CI shall provide partial results upon request which consists of the results from the start of the request or since the last request for results.		functional
S-DMS-00740	8485	B	~~Partial Results shall consist of Search Results accumulated to the time of the request for partial results, or Search Results accumulated since the last Request for partial results~~ The LIMGR CI shall provide partial results upon request which consists of the results from the start of the request or since the last request for results.		functional
S-DMS-00710	8387	B	The LIMGR CI shall ~~collect~~ report Accountability Management Data (requests such as searches, browse requests, orders) ~~and provide it~~ to the MSS.		interface
S-DMS-10560	8468	B	The DIMGR CI shall ~~collect~~ report Accountability Management Data (requests such as searches, browse requests, orders) ~~and provide it~~ to the MSS.		interface

S-DMS-20840	8569	B	The DDICT CI shall ~~collect~~ report Accountability Management Data (requests such as searches, browse requests, orders) ~~and provide it~~ to the MSS.		interface
S-DMS-31050		B	The GTWAY CI shall report Accountability Management Data (requests such as searches, browse requests, orders) to the MSS.		functional
S-DMS-00520		B	The LIMGR CI shall send detected hardware and software fault information to MSS.		functional
S-DMS-10530	8463	B	The DIMGR CI shall send detected hardware and software fault information to MSS ~~collect the management data used to support fault recovery management~~.		functional
S-DMS-20820	8567	B	The DDICT CI shall ~~collect Fault Management Data and provide it to the MSS~~ provide detected hardware and software information to MSS.		interface
S-DMS-31051		B	The GTWAY CI shall send detected hardware and software fault information to MSS.		functional
S-DMS-00690	8383	B	The LIMGR CI shall ~~collect the management data used to support configuration management~~ .provide configuration management data such as software versions to MSS through the use of managed process framework.		functional
S-DMS-10540	8464	B	The DIMGR CI ~~shall collect the management data used to support configuration management~~ shall provide configuration management data such as software versions to MSS through managed process framework.		functional
S-DMS-20830	8568	B	The DDICT CI shall ~~collect Configuration Management Data and provide it to the MSS~~ provide configuration management data such as software versions to the MSS using the managed process framework.		interface

S-DMS-31052		B	The GTWAY CI shall provide configuration management data such as software versions to MSS using managed process framework.		functional
S-DMS-00700	8384	B	The LIMGR CI shall ~~collect Accounting Management Data used to support accounting~~ support the MSS in collecting Accounting Management Data by supplying resource utilization data.		functional
S-DMS-10550	8465	B	The DIMGR CI shall ~~collect Accounting Management Data used to support accounting~~ support the MSS in collecting Accounting Management Data by supplying resource utilization data.		functional
S-DMS-20835		B	The DDICT CI shall support the MSS in collecting Accounting Management Data by supplying resource utilization data.		functional
S-DMS-31056		B	The GTWAY CI shall support the MSS in collecting Accounting Management Data by supplying resource utilization data.		functional
S-DMS-00720	8388	B	The LIMGR CI shall collect Performance Management Data using the MSS managed object components and provide it to the MSS at configurable intervals and on demand.		interface
S-DMS-10570	8469	B	The DIMGR CI shall collect Performance Management Data using the MSS managed object components and provide it to the MSS at configurable intervals and on demand.		interface
S-DMS-20850	8570	B	The DDICT CI shall collect Performance Management Data using the MSS managed object components and provide it to the MSS at configurable intervals and on demand.		interface

S-DMS-31053		B	The GTWAY CI shall collect Performance Management Data using the MSS managed object components and provide it to the MSS at configurable intervals and on demand.		interface
S-DMS-00530	8368	B	The LIMGR CI shall ~~collect the management data used to support security management.~~ collect Security Management Data (such as rejected access to a service) and provide it to the MSS.		functional
S-DMS-10580	8470	B	The DIMGR CI shall collect Security Management Data (such as rejected access to a service) and provide it to the MSS.		interface
S-DMS-20660	8552	B	The DDICT CI shall ~~collect the management data used to support security management.~~ collect Security Management Data (such as rejected access to a service) and provide it to the MSS.		functional
S-DMS-31054		B	The GTWAY CI shall collect Security Management Data (such as rejected access to a service) and provide it to the MSS.		interface
S-DMS-00730	8389	B	The LIMGR CI shall ~~collect Scheduling Management Data and provide it to the MSS~~ provide configuration information such as number of expected daily sessions, which will be used by MSS to compare plans to actuals (i.e. schedule management).		interface
S-DMS-10590	8471	B	The DIMGR CI shall ~~collect Scheduling Management Data used to support scheduling management and provide it to the MSS~~ provide configuration information such as number of expected daily sessions, which will be used by MSS to compare plans to actuals (i.e. schedule management).		interface

S-DMS-20860	8571	B	The DDICT CI shall ~~collect Scheduling Management Data and provide it to the MSS~~ provide configuration information such as number of expected daily sessions, which will be used by MSS to compare plans to actuals (i.e. schedule management).		interface
S-DMS-31057		B	The GTWAY CI shall provide configuration information such as number of expected daily sessions, which will be used by MSS to compare plans to actuals (i.e. schedule management).		interface
S-IOS-00490	9218	A	~~The ADSRV CI shall collect software Fault Management Data about its own operations and provide it to the MSS.~~ The ADSRV CI shall send detected hardware and software fault information to MSS.		interface
S-IOS-00510	9219	A	The ADSRV CI shall ~~collect~~ report Accountability Management Data (such as searches, advertisement submissions, etc.) ~~about its own operations and provide it~~ to the MSS.		interface
S-IOS-00515		A	The ADSRV CI shall collect Performance Management Data using the MSS managed object components and provide it to the MSS at configurable intervals and on demand.		interface
S-IOS-00516		B	The ADSRV CI shall support the MSS in collecting Accounting Management Data by supplying resource utilization data.		interface
S-IOS-00517		B	The ADSRV CI shall provide configuration information such as expected moderation approval time, which will be used by MSS to compare plans to actuals (i.e. schedule management).		interface
S-IOS-00518		A	The ADSRV CI shall provide configuration management data such as software versions to MSS using managed process framework.		functional

S-IOS-00940	9028	B	The ADSRV CI shall provide its current mode to MSS on request.		~~functional~~ interface
S-IOS-00950	9029	B	The ADSRV CI shall provide a capability for logistics and maintenance status to be provided to the SMC.		~~functional~~ interface
S-DMS-31058		B	The GTWAY CI shall provide integration, testing, and simulation status to the MSS.		interface
S-DMS-31059		B	The GTWAY CI shall provide maintenance status to the MSS.		interface
S-DMS-31062		B	The GTWAY CI shall provide logistics status to the SMC.		interface
S-DMS-31061		B	The GTWAY CI shall provide training information to the SMC.		interface
S-DMS-01010	8406	B	The LIMGR CI shall log to MSS all Service requests ~~received~~ initiated during a session.		functional
S-DMS-01015		B	The LIMGR CI shall log the successful completion of each service request to MSS.		interface
S-DMS-00912		B	The LIMGR CI shall log the startup of the LIMGR servers to MSS		interface
S-DMS-00913		B	The LIMGR CI shall log the shutdown of the LIMGR servers to MSS.		functional
S-DMS-01011		B	The LIMGR CI shall log to MSS when a service request is activated from the queue.		interface
S-DMS-01012		B	The LIMGR CI shall log to MSS when a service request has been successfully decomposed into its component requests.		interface
S-DMS-01012		B	The LIMGR CI shall log to MSS when an external connection (i.e. to GTWAY or SDSRV) has been established.		interface
S-DMS-01013		B	The LIMGR CI shall log to MSS when the component service request has been submitted to the external entity (e.g. GTWAY, SDSRV).		interface
S-DMS-01014		B	The LIMGR CI shall log to MSS when the request to the external entity (e.g. GTWAY, SDSRV) has been successfully returned.		interface

S-DMS-01015		B	The LIMGR CI shall log to MSS when the results of the external requests have been integrated and status is about to be sent to the client program.		interface
S-DMS-11010	8500	B	The DIMGR CI shall log to MSS all Service requests received initiated during a session.		functional
S-DMS-11011		B	The DIMGR CI shall log the successful completion of each service request to MSS.		interface
S-DMS-10595		B	The DIMGR CI shall log the startup of the DIMGR servers to MSS		interface
S-DMS-10596		B	The DIMGR CI shall log the shutdown of the DIMGR servers to MSS.		functional
S-DMS-11012		B	The DIMGR CI shall log to MSS when a service request is activated from the queue.		interface
S-DMS-11013		B	The DIMGR CI shall log to MSS when a service request has been successfully decomposed into its component requests.		interface
S-DMS-11014		B	The DIMGR CI shall log to MSS when an external connection (i.e. to LIMGR, GTWAY or SDSRV) has been established.		interface
S-DMS-11015		B	The DIMGR CI shall log to MSS when the component service request has been submitted to the external entity (e.g. LIMGR, GTWAY, SDSRV).		interface
S-DMS-11016		B	The DIMGR CI shall log to MSS when the request to the external entity (e.g. LIMGR, GTWAY, SDSRV) has been successfully returned.		interface
S-DMS-11017		B	The DIMGR CI shall log to MSS when the results of the external requests have been integrated and status is about to be sent to the client program.		interface
S-DMS-31010	3167	A	The GTWAY CI shall log to MSS the initiation of all Service requests.		functional

S-DMS-31011		B	The GTWAY CI shall log the startup of the GTWAY servers to MSS		interface
S-DMS-31012		B	The GTWAY CI shall log the shutdown of the GTWAY servers to MSS.		functional
S-DMS-31013		B	The GTWAY CI shall log to MSS when a service request is activated from the queue.		interface
S-DMS-31014		B	The GTWAY CI shall log to MSS when a service request has been successfully decomposed into its component requests.		interface
S-DMS-31015		B	The GTWAY CI shall log to MSS when an external connection to the V0 IMS server has been established.		interface
S-DMS-31016		B	The GTWAY CI shall log to MSS when the component service request has been submitted to the V0 IMS server.		interface
S-DMS-31017		B	The GTWAY CI shall log to MSS when the request to the V0 IMS server has been successfully returned.		interface
S-DMS-31018		B	The GTWAY CI shall log to MSS when the results of the request has been integrated and status is about to be sent to the client program.		interface
S-DMS-20865		B	The DDICT CI shall log to MSS the initiation of all Service requests.		functional
S-DMS-20866		B	The DDICT CI shall log the startup of the DDICT servers to MSS		interface
S-DMS-20867		B	The DDICT CI shall log the shutdown of the DDICT servers to MSS.		functional
S-DMS-20868		B	The DDICT CI shall log to MSS when a service request is activated from the queue.		interface
S-DMS-20869		B	The DDICT CI shall log to MSS when a request has been successfully completed and the status is about to be returned to the client.		interface
S-DMS-20870		B	The DDICT CI shall log to MSS the initiation of a session.		functional

S-DMS-20871		B	The DDICT CI shall log to MSS the suspension of a session.		functional
S-DMS-20872		B	The DDICT CI shall log to MSS the resumption of a previously suspended session.		functional
S-DMS-20873		B	The DDICT CI shall log to MSS the termination of a session.		functional
S-DMS-20795		B	The DDICT CI shall support operations staff in the creation of utilization reports, and the operations staff shall distribute them on a periodic basis to a predefined list of report recipients.		procedural
S-DMS-20796		B	The DDICT CI shall provide operations staff with the capability to distribute DDICT CI utilization reports eletronically or in hard copy or on electronic media.		functional
S-DMS-32000		B	The GTWAY CI shall support operations staff in the creation of utilization reports, and the operations staff shall distribute them on a periodic basis to a predefined list of report recipients.		procedural
S-DMS-32001		B	The GTWAY CI shall provide operations staff with the capability to distribute GTWAY CI utilization reports eletronically or in hard copy or on electronic media.		functional
S-DMS-00605		B	The LIMGR CI shall provide operations staff with the capability to generate daily LIMGR operations summary reports.		functional
S-DMS-00606		B	The LIMGR CI shall provide operations staff with the capability to generate LIMGR performance summary reports.		functional
S-DMS-10385		B	The DIMGR CI shall provide operations staff with the capability to generate daily DIMGR operations summary reports.		functional
S-DMS-10386		B	The DIMGR CI shall provide operations staff with the capability to generate DIMGR performance summary reports.		functional

S-DMS-20355		B	The DDICT CI shall provide operations staff with the capability to generate daily DDICT operations summary reports.		functional
S-DMS-20356		B	The DDICT CI shall provide operations staff with the capability to generate DDICT performance summary reports.		functional
S-DMS-32010		B	The GTWAY CI shall provide operations staff with the capability to generate daily GTWAY operations summary reports.		functional
S-DMS-32011		B	The GTWAY CI shall provide operations staff with the capability to generate GTWAY performance summary reports.		functional
S-IOS-00520		A	The ADSRV CI shall provide operations staff with the capability to generate daily ADSRV operations summary reports.		functional
S-IOS-00530		A	The ADSRV CI shall provide operations staff with the capability to generate ADSRV performance summary reports.		functional
S-DMS-00115		B	The LIMGR CI shall support search requests against result sets from previous searches within the same session.		functional
S-DMS-10115		B	The DIMGR CI shall support search requests against result sets from previous searches within the same session.		functional
S-DMS-00610	8376	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive maintenance directives from the SMC.		~~interface~~ procedural
S-DMS-00620	8377	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive directives for integration, testing, and simulation from the SMC.		~~interface~~ procedural
S-DMS-00630	8378	B	The LIMGR CI operations staff shall provide have the capability to receive configuration management directives from the SMC.		~~interface~~ procedural

S-DMS-00640	8379	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive logistics management directives from the SMC.		~~interface~~ procedural
S-DMS-00650	8380	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive fault management directives from the SMC.		~~interface~~ procedural
S-DMS-00660	8381	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive security directives from the SMC.		~~interface~~ procedural
S-DMS-00670	8382	B	The LIMGR CI operations staff shall ~~provide~~ have the capability to receive training management directives from the SMC.		~~interface~~ procedural

Table 3 - REQ_BY_REL requirements changes

RbR ID	**RTM key**	**RbR Text**	**RbR Type**	Interpretation
IMS-0010#A	new	The IMS shall be capable of providing 24 hour per day, 7 day per week access to the ECS services.	functional	

Table 4 - Links to be added between REQ_BY_REL and LEVEL_4

RbR ID	**L4 ID**
IMS-0010#B	S-DMS-00565
IMS-0010#B	S-DMS-20695
IMS-0010#B	S-DMS-10345
IMS-0010#A	S-DMS-30100
IMS-0010#B	S-DMS-30100
IMS-0010#A	S-IOS-00480
IMS-0010#B	S-IOS-00480
IMS-0510#B	S-DMS-20920
IMS-0510#B	S-DMS-20006
IMS-0510#B	S-DMS-20007
IMS-0510#B	S-DMS-20008
IMS-0510#B	S-DMS-20009
IMS-0550#B	S-DMS-20010
IMS-0630#B	S-DMS-10765
IMS-0650#B	S-DMS-10765
IMS-0630#B	S-DMS-10770
IMS-0650#B	S-DMS-10771
IMS-0630#B	S-DMS-10771
IMS-0650#B	S-DMS-10772
IMS-0650#B	S-DMS-10773
IMS-0650#B	S-DMS-10774
IMS-0650#B	S-DMS-10775
IMS-0650#B	S-DMS-10776
IMS-0630#B	S-DMS-00020
IMS-0650#B	S-DMS-00020
IMS-0630#B	S-DMS-20130
IMS-0650#B	S-DMS-20130
IMS-0630#B	S-IOS-00690
IMS-0650#B	S-IOS-00690
IMS-1620#B	S-DMS-31050
IMS-1620#B	S-DMS-00520
IMS-1760#B	S-DMS-00520
IMS-1760#B	S-DMS-10530
IMS-1760#B	S-DMS-20820
IMS-1620#B	S-DMS-31051
IMS-1760#B	S-DMS-31051
IMS-1620#B	S-DMS-31052
IMS-1660#B	S-DMS-00700
IMS-1660#B	S-DMS-10550
IMS-1660#B	S-DMS-20835
IMS-1620#B	S-DMS-31056
IMS-1660#B	S-DMS-31056

IMS-1620#B	S-DMS-31053
IMS-1620#B	S-DMS-31054
IMS-1620#B	S-DMS-31057
IMS-1760#B	S-IOS-00490
IMS-1620#B	S-IOS-00515
IMS-1620#A	S-IOS-00515
IMS-1620#B	S-IOS-00516
IMS-1620#A	S-IOS-00516
IMS-1660#A	S-IOS-00516
IMS-1660#B	S-IOS-00516
IMS-1620#B	S-IOS-00517
IMS-1620#A	S-IOS-00517
IMS-1620#B	S-IOS-00518
IMS-1620#A	S-IOS-00518
IMS-1620#B	S-DMS-20820
IMS-1640#B	S-IOS-00940
IMS-1640#B	S-DMS-31058
IMS-1640#B	S-DMS-31059
IMS-1640#B	S-DMS-31062
IMS-1640#B	S-DMS-31061
IMS-1660#B	S-DMS-01015
IMS-1640#B	S-DMS-00912
IMS-1640#B	S-DMS-00913
IMS-1650#B	S-DMS-01011
IMS-1660#B	S-DMS-01011
IMS-1650#B	S-DMS-01012
IMS-1660#B	S-DMS-01012
IMS-1650#B	S-DMS-01012
IMS-1660#B	S-DMS-01012
IMS-1650#B	S-DMS-01013
IMS-1660#B	S-DMS-01013
IMS-1650#B	S-DMS-01014
IMS-1660#B	S-DMS-01014
IMS-1650#B	S-DMS-01015
IMS-1660#B	S-DMS-01015
IMS-1660#B	S-DMS-11011
IMS-1640#B	S-DMS-10595
IMS-1640#B	S-DMS-10596
IMS-1650#B	S-DMS-11012
IMS-1660#B	S-DMS-11012
IMS-1650#B	S-DMS-11013
IMS-1660#B	S-DMS-11013
IMS-1650#B	S-DMS-11014
IMS-1660#B	S-DMS-11014

IMS-1650#B	S-DMS-11015
IMS-1660#B	S-DMS-11015
IMS-1650#B	S-DMS-11016
IMS-1660#B	S-DMS-11016
IMS-1650#B	S-DMS-11017
IMS-1640#B	S-DMS-31011
IMS-1640#B	S-DMS-31012
IMS-1650#B	S-DMS-31013
IMS-1660#B	S-DMS-31013
IMS-1650#B	S-DMS-31014
IMS-1660#B	S-DMS-31014
IMS-1650#B	S-DMS-31015
IMS-1660#B	S-DMS-31015
IMS-1650#B	S-DMS-31016
IMS-1660#B	S-DMS-31016
IMS-1650#B	S-DMS-31017
IMS-1660#B	S-DMS-31017
IMS-1650#B	S-DMS-31018
IMS-1650#B	S-DMS-20865
IMS-1660#B	S-DMS-20865
IMS-1640#B	S-DMS-20866
IMS-1640#B	S-DMS-20867
IMS-1650#B	S-DMS-20868
IMS-1660#B	S-DMS-20868
IMS-1650#B	S-DMS-20869
IMS-1660#B	S-DMS-20869
IMS-1660#B	S-DMS-20870
IMS-1660#B	S-DMS-20871
IMS-1660#B	S-DMS-20872
IMS-1660#B	S-DMS-20873
IMS-1680#B	S-DMS-20795
IMS-1690#B	S-DMS-20796
IMS-1680#B	S-DMS-32000
IMS-1690#B	S-DMS-32001
IMS-1700#B	S-DMS-00605
IMS-1700#B	S-DMS-00606
IMS-1700#B	S-DMS-10385
IMS-1700#B	S-DMS-10386
IMS-1700#B	S-DMS-20355
IMS-1700#B	S-DMS-20356
IMS-1700#B	S-DMS-32010
IMS-1700#B	S-DMS-32011
IMS-1700#B	S-IOS-00520
IMS-1700#A	S-IOS-00520

IMS-1700#B	S-IOS-00530
IMS-1700#A	S-IOS-00530
IMS-0570#B	S-DMS-00115
IMS-0570#B	S-DMS-10115

Table 5 - Links to be deleted between REQ_BY_REL and LEVEL_4

RbR ID	**L4 ID**
IMS-0550#B	S-DMS-00010
IMS-0550#B	S-IOS-00010
IMS-0550#A	S-IOS-00010
IMS-0550#A	S-IOS-00070
IMS-0550#B	S-IOS-00070
IMS-0550#B	S-IOS-00080
IMS-0550#A	S-IOS-00080
IMS-0320#B	S-DMS-20660
IMS-1620#B	S-IOS-00940
IMS-1620#A	S-IOS-0516
IMS-1660#A	S-IOS-0516